

**Fig.1**

Fig.2

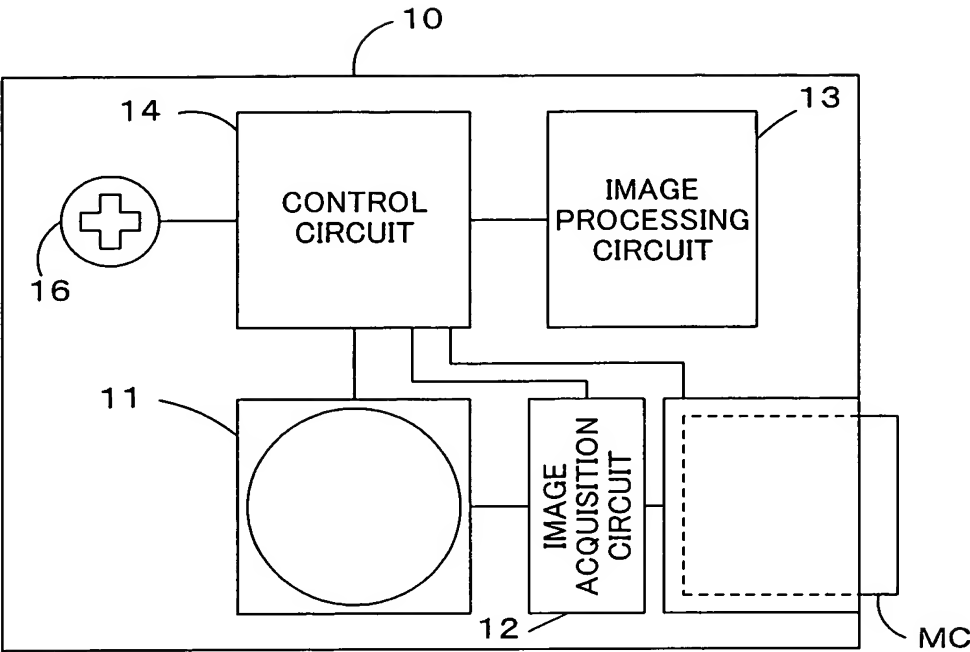
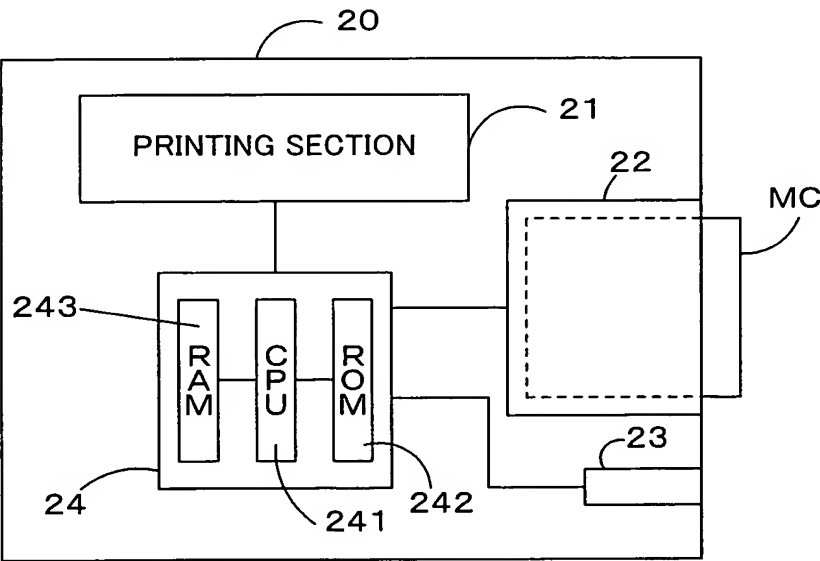


Fig.3



**Fig.4**

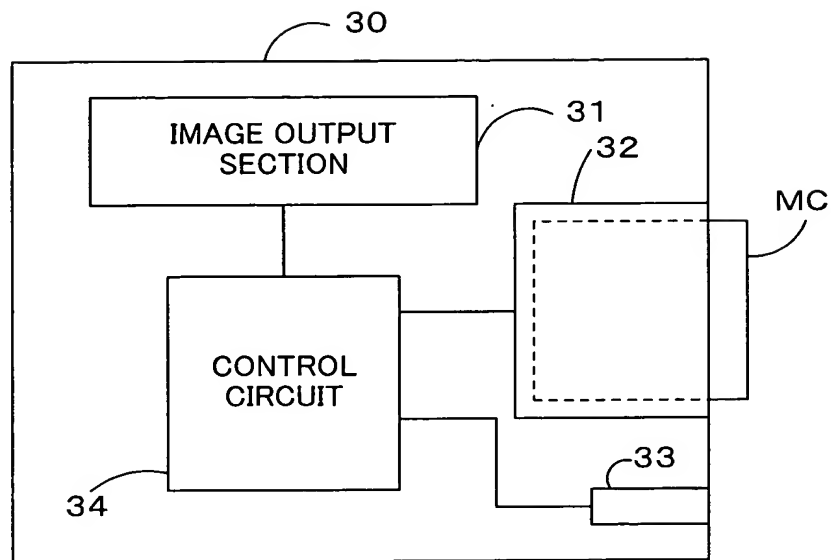


Fig.5

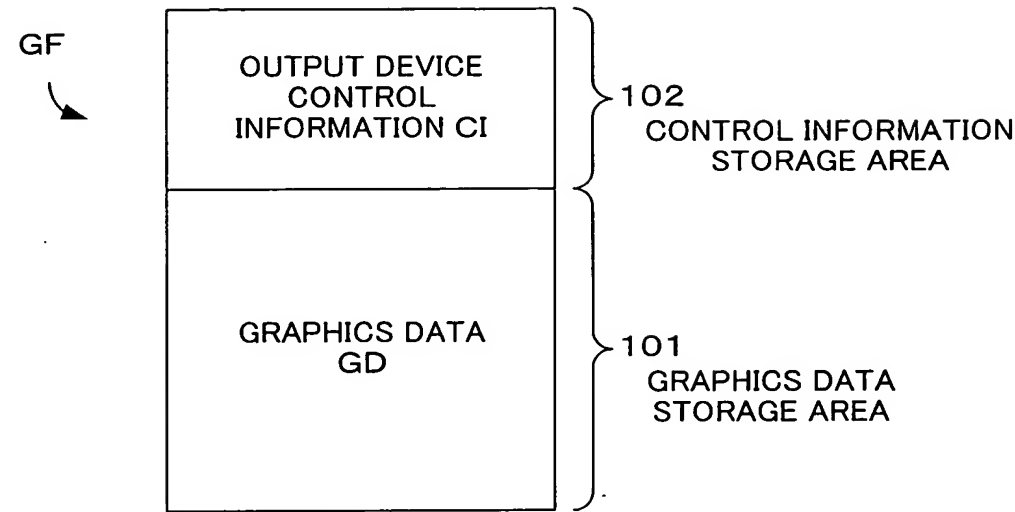


Fig.6

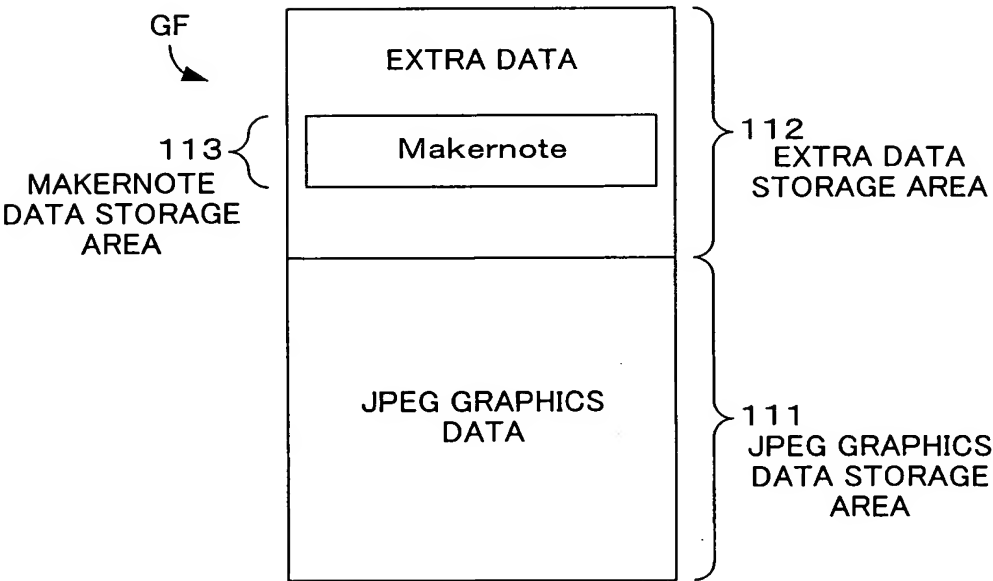


Fig.7

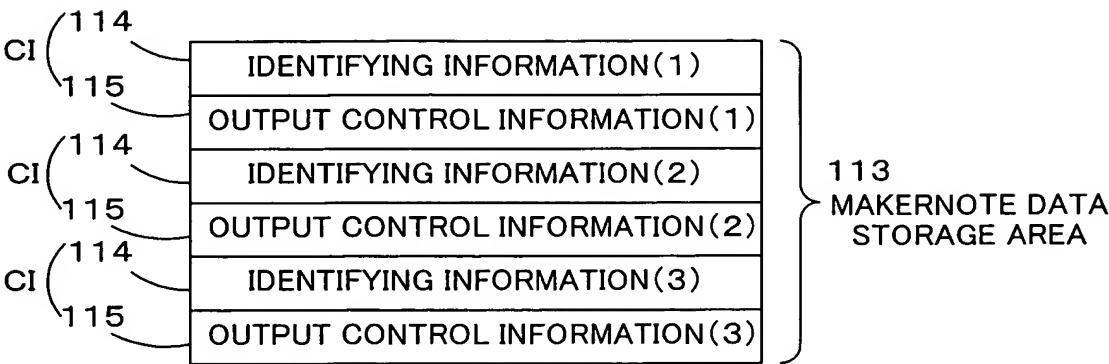


Fig.8

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DESCRIPTION	SETTING
CONTROL IDENTIFICATION HIERARCHY NUMBER N <sub>c</sub>	4
CONTROL CATEGORY IDENTIFIER C-ID <sub>1</sub>	1
CONTROL CATEGORY IDENTIFIER C-ID <sub>2</sub>	3
CONTROL CATEGORY IDENTIFIER C-ID <sub>3</sub>	2
CONTROL CATEGORY IDENTIFIER C-ID <sub>4</sub>	0

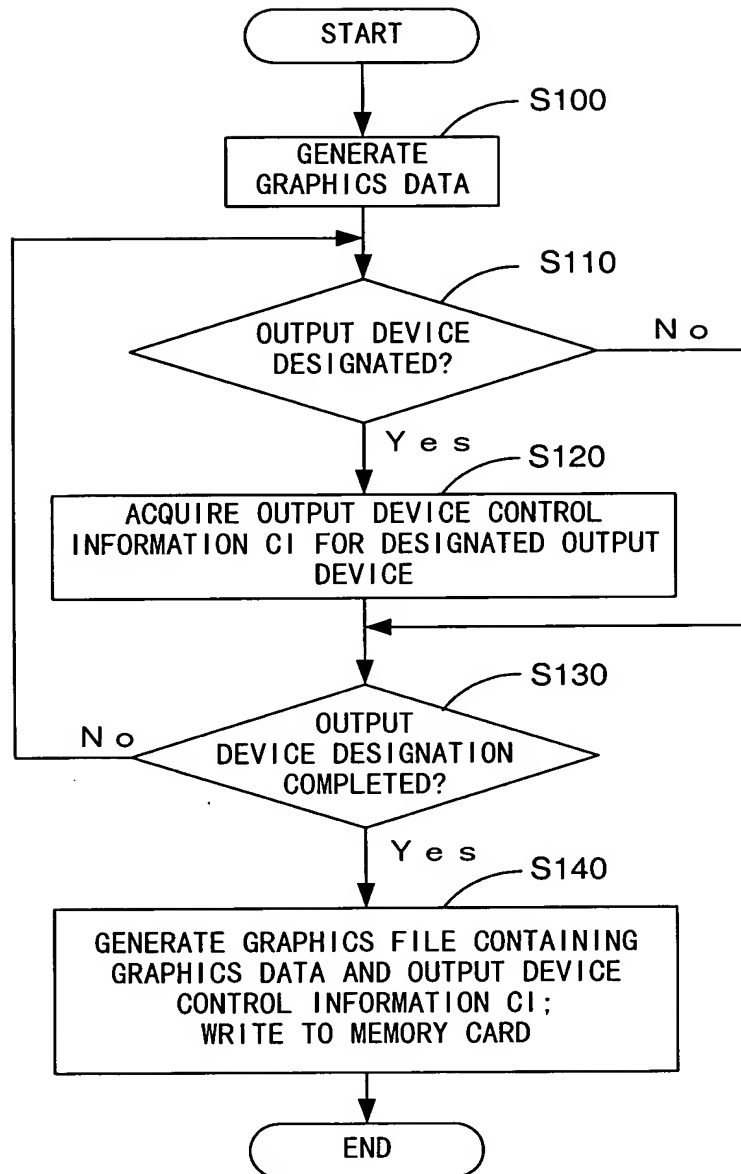
Fig.9

DEVICE ID	D-ID <sub>1</sub>	D-ID <sub>2</sub>	D-ID <sub>3</sub>	D-ID <sub>4</sub>
ID SETTING	1 : PRINTER	1 : ELECTROPHOTOGRAPHIC	1 : CO. A	1 : AAA
		2 : SUBLIMATION	2 : CO. B	2 : BBB
		3 : INK JET	3 : CO. C	3 : CCC
	2 : MONITOR	1 : CRT	1 : CO. A	1 : AAA
		2 : TRANSMISSIVE LCD	2 : CO. B	2 : BBB
		3 : REFLECTIVE LCD	3 : CO. C	3 : CCC
	3 : PROJECTOR	1 : LCD	1 : CO. A	1 : AAA
		2 : DLP	2 : CO. B	2 : BBB

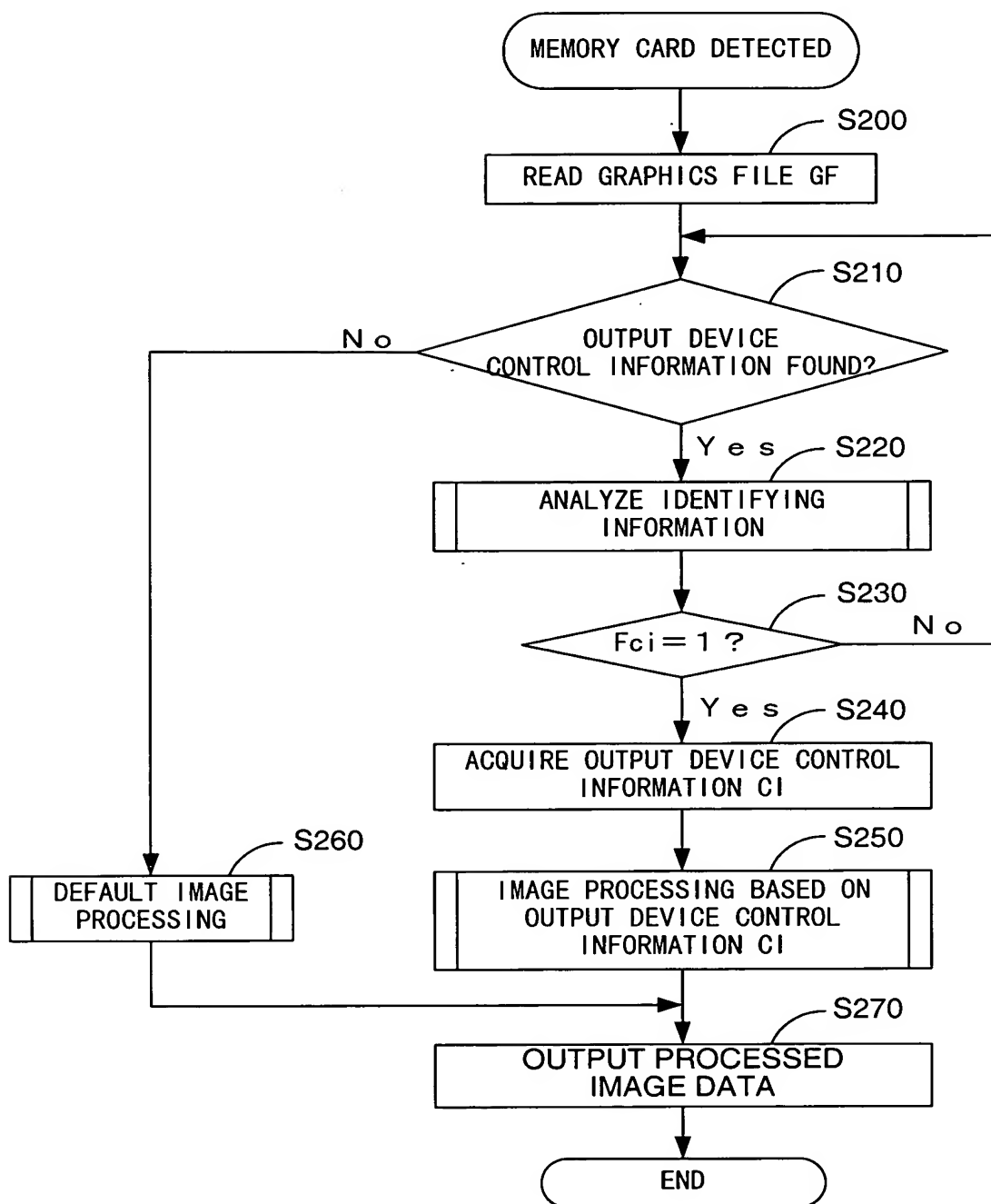
**Fig.10**

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CONTROL PARAMETER	SETTING
GAMMA CORRECTION VALUE	2. 2
TARGET COLOR SPACE	NTSC
sRGB NEGATIVE VALUE TREATMENT	1 (VALID)
SHADOW	5
HIGHLIGHT	2
CONTRAST	0
BRIGHTNESS	4
RGB COLOR BALANCE	R0/G-1/B2
CHROMATICITY	0
SHARPNESS	THRESHOLD VALUE 2, APPLIED LEVEL 3
STORED COLOR CORRECTION	GREEN 0,0,0 (UNASSIGNED) SAPCE 0,0,0 (UNASSIGNED) SKIN 0,0,0 (UNASSIGNED) RED 0,0,0 (UNASSIGNED)
AUTO ADJUST	5
PAPER	3(PHOTOGRAPHIC PAPER)
RESOLUTION	4(PHOTOGRAPH)
PRINTING DIRECTION	1(ON)

**Fig.11**



**Fig.12**

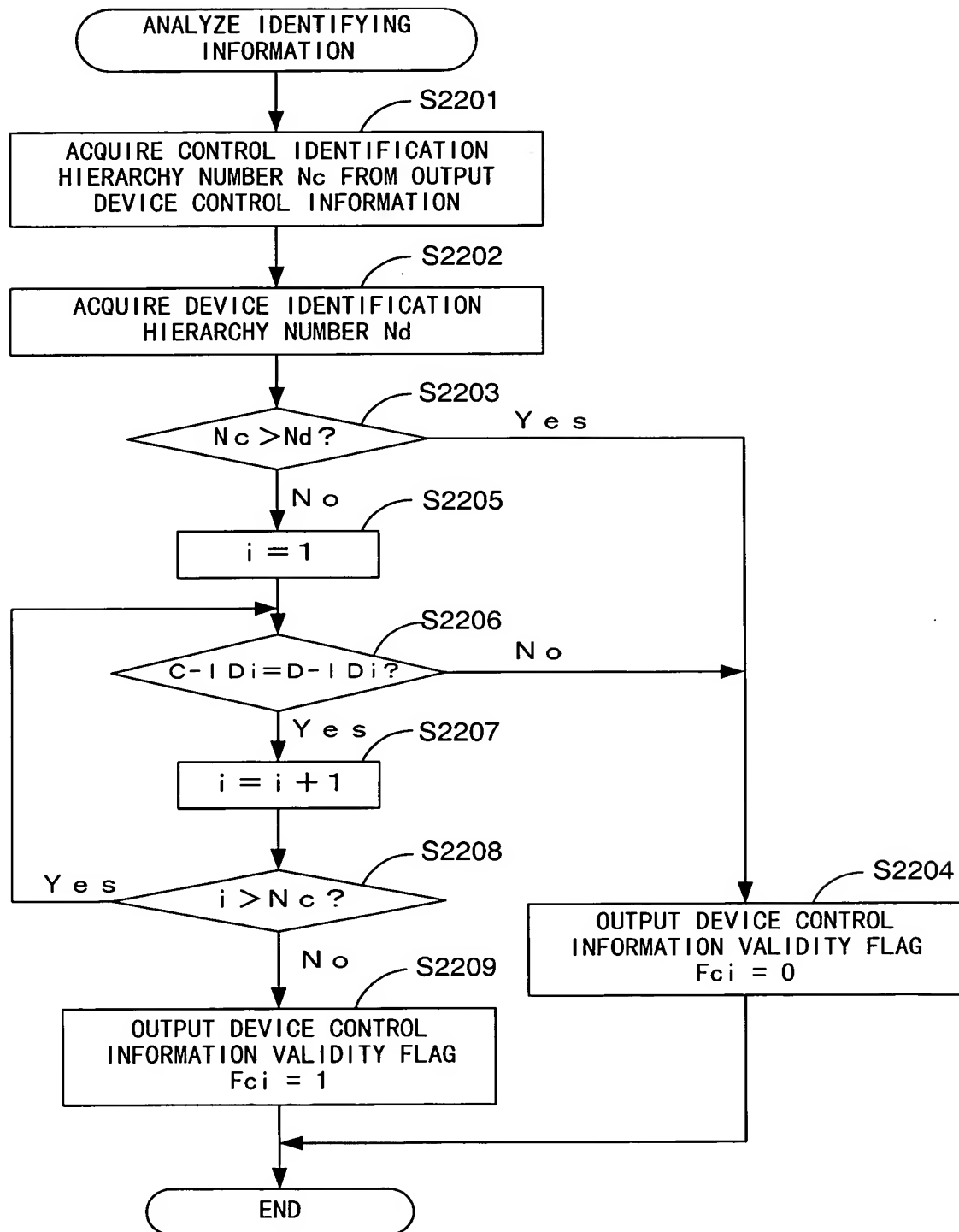
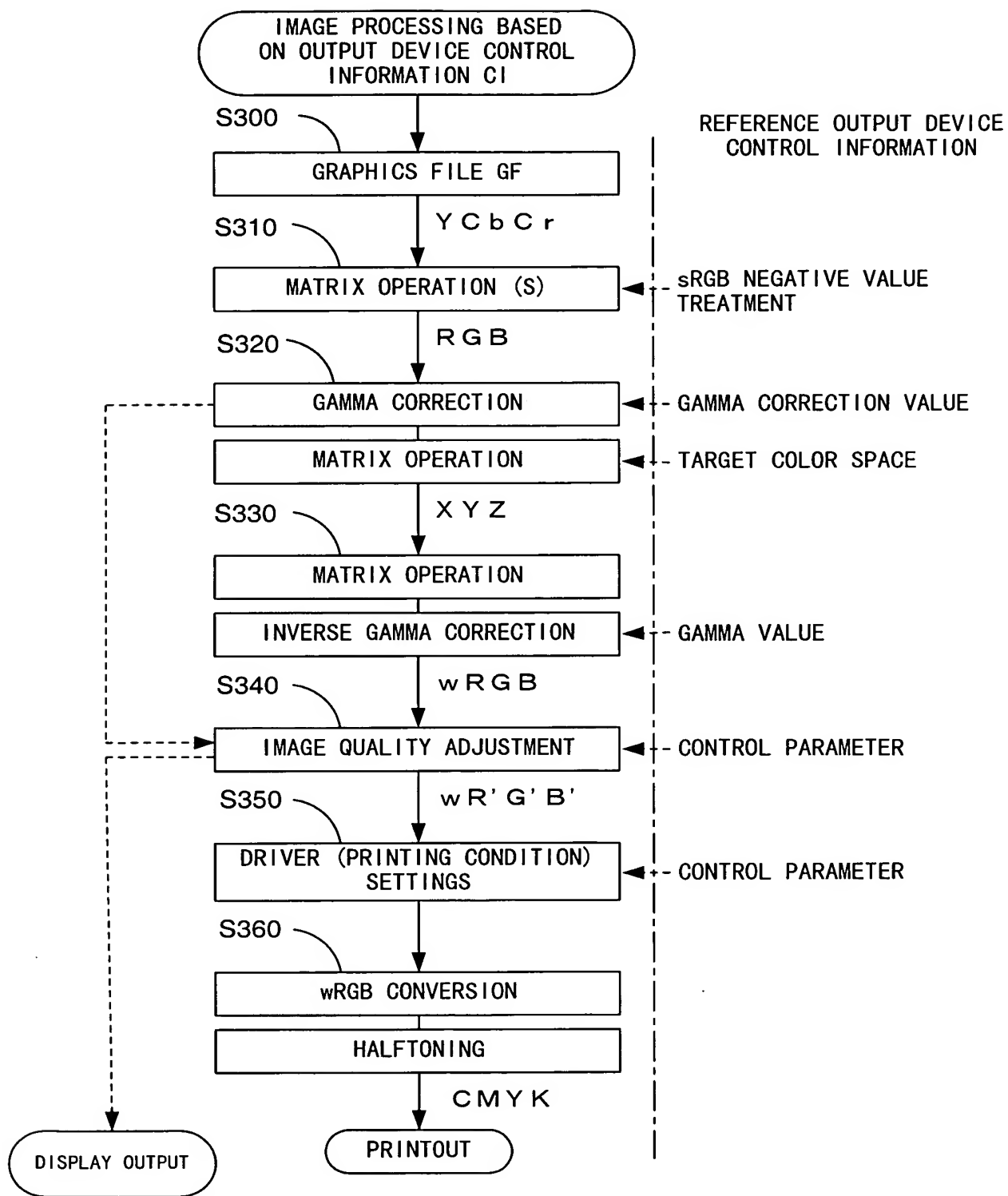
**Fig.13**

Fig.14

DESCRIPTION	SETTING
DEVICE IDENTIFICATION HIERARCHY NUMBER Nd	4
DEVICE CATEGORY IDENTIFIER D-ID <sub>1</sub>	1
DEVICE CATEGORY IDENTIFIER D-ID <sub>2</sub>	3
DEVICE CATEGORY IDENTIFIER D-ID <sub>3</sub>	2
DEVICE CATEGORY IDENTIFIER D-ID <sub>4</sub>	0

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**Fig.15**

**Fig.16**

$$\begin{pmatrix} R \\ G \\ B \end{pmatrix} = \mathbf{S} \begin{pmatrix} Y \\ Cb-128 \\ Cr-128 \end{pmatrix}$$

$$\mathbf{S} = \begin{pmatrix} 1 & 0 & 1.40200 \\ 1 & -0.34414 & -0.71414 \\ 1 & 1.77200 & 0 \end{pmatrix}$$

**Fig.17**

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \mathbf{M} \begin{pmatrix} Rt' \\ Gt' \\ Bt' \end{pmatrix} \quad \mathbf{M} = \begin{pmatrix} 0.6067 & 0.1736 & 0.2001 \\ 0.2988 & 0.5868 & 0.1144 \\ 0 & 0.0661 & 1.1150 \end{pmatrix}$$

$$Rt, Gt, Bt \geq 0$$

$$Rt' = \left( \frac{Rt}{255} \right)^r \quad Gt' = \left( \frac{Gt}{255} \right)^r \quad Bt' = \left( \frac{Bt}{255} \right)^r$$

$$Rt, Gt, Bt < 0$$

$$Rt' = -\left( \frac{-Rt}{255} \right)^r \quad Gt' = -\left( \frac{-Gt}{255} \right)^r \quad Bt' = -\left( \frac{-Bt}{255} \right)^r$$

**Fig.18**

$$\begin{pmatrix} R_w \\ G_w \\ B_w \end{pmatrix} = N^{-1} \begin{pmatrix} X \\ Y \\ Z \end{pmatrix}$$

$$N^{-1} = \begin{pmatrix} 3.30572 & -1.77561 & 0.73649 \\ -1.04911 & 2.1694 & -1.4797 \\ 0.0658289 & -0.241078 & 1.24898 \end{pmatrix}$$

$$R_w' = \left( \frac{R_w}{255} \right)^{1/\gamma}$$

$$G_w' = \left( \frac{G_w}{255} \right)^{1/\gamma}$$

$$B_w' = \left( \frac{B_w}{255} \right)^{1/\gamma}$$